

Converting Colors

XYZ(15.1485, 15.8009, 44.9070)

Have a look what the booklet for
XYZ(15.1485, 15.8009, 44.9070)
contains.

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Color

**XYZ(15.1503, 15.8029,
44.8996)**

Conversions

Conversions Part 1

Format	Color
Hex	2B72B3
RGB	43, 114, 179
RGB Percent	17%, 45%, 70%
CMY	0.8313, 0.5529, 0.2980
CMYK	0.76, 0.36, 0.00, 0.30
HSL	209°, 61%, 44%
HSV	209°, 76%, 70%
XYZ	15.1503, 15.8029, 44.8996
YIQ	100.1810, -63.1810, 5.1630

Conversions

Conversions Part 2

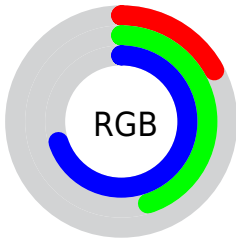
Format	Color
R_{YB}	43, 90, 179
Decimal	2847411
CIE _{Lab}	46.71, 0.78, -40.74
CIE _{LCh}	47, 40.743, 271.095
Yxy	15.8029, 0.1997, 0.2083
Android (android.graphics.Color)	4281037491 (0xFF2B72B3)
YUV	100.1810, 38.8578, -50.1477
Hunter-Lab	39.7529, -1.5390, -39.1392

Details

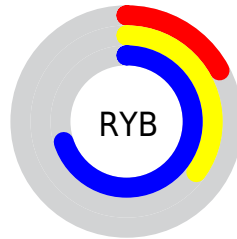
The XYZ color **15.1503, 15.8029, 44.8996** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **24.3905, 20.4857, 4.9552**, and the grayscale version is **12.0758, 12.7047, 13.8354**.

A 20% lighter version of the original color is **34.6950, 36.3964, 83.7938**, and **5.7731, 5.5207, 20.5000** is the 20% darker color. If you saturate the color by 10%, you get **13.6375, 13.6569, 44.5655**, and if you desaturate by 10%, it is **17.0839, 18.3002, 45.2801**.

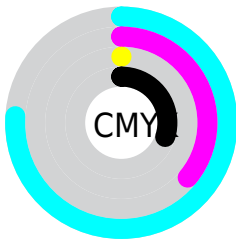
Distribution



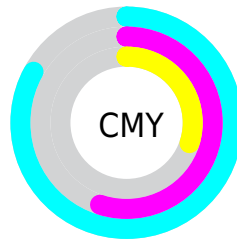
- Red (17%)
- Green (45%)
- Blue (70%)



- Red (17%)
- Yellow (35%)
- Blue (70%)



- Cyan (76%)
- Magenta (36%)
- Yellow (0%)
- Black (30%)



- Cyan (83%)
- Magenta (55%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1503, 15.8029, 44.8996 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 15.1503, 15.8029, 44.8996 by changing the saturation by 10% instead.

■ 15.1503, 15.8029,
44.8996

■ 15.1503, 15.8029,
44.8996

217.6445,
228.1758, 382.5150

■ 9.0119, 9.3848,
31.0360

■ 34.6861, 36.2557,
83.8866

■ 4.8061, 4.9930,
20.3676

■ 48.8143, 51.0592,
109.8470

■ 2.1676, 2.2432,
12.4758

■ 66.3365, 69.4265,
140.6768

■ 0.7256, 0.7434,
6.9421

■ 87.6180, 91.7422,
176.7945

■ 0.0000, 0.0000,
3.3480

■ 113.0242,
118.3906, 218.6186

■ 0.0000, 0.0000,
1.2750

142.9204,

■ 0.0000, 0.0000,

149.7561, 266.5677

0.0411

177.6721,
186.2230, 321.0604

■ 0.0000, 0.0000,
0.0000

■ 15.1503, 15.8029,
44.8996

■ 15.1503, 15.8029,
44.8996

■ 13.6375, 13.6569,
44.5655

■ 17.0839, 18.3002,
45.2801

■ 12.4915, 11.8302,
44.2733

■ 19.4770, 21.1718,
45.7082

■ 12.0901, 11.1614,
44.1653

■ 22.3655, 24.4397,
46.1867

■ 25.7811, 28.1235,
46.7177

■ 29.7525, 32.2412,
47.3032

■ 34.3061, 36.8094,
47.9450

■ 39.4668, 41.8440,
48.6448

■ 45.2577, 47.3598,
49.4042

■ 51.7008, 53.3709,
50.2249

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



11.9708, 15.8029, 40.4679



15.1503, 15.8029, 44.8996



18.8078, 15.8029, 39.8143

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.1503, 15.8029, 44.8996



21.6187, 15.8029, 8.9895



9.8247, 15.8029, 9.4134

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



15.1503, 15.8029, 44.8996



24.3905, 20.4857, 4.9552

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



11.7786, 15.8029, 5.3471



15.1503, 15.8029, 44.8996



18.5479, 15.8029, 5.1785

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



15.1503, 15.8029, 44.8996



22.8851, 15.8029, 16.8378



14.8908, 15.8029, 4.1661



9.2018, 15.8029, 17.5809

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



15.1503, 15.8029, 44.8996



20.9493, 15.8029, 32.5409



14.8908, 15.8029, 4.1661



10.3308, 15.8029, 7.6539

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



15.1509, 15.8034, 44.9000



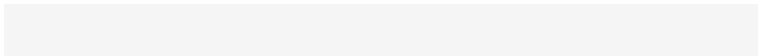
55.2902, 59.7774, 85.0053



19.7432, 33.8048, 19.2494



11.6380, 12.6219, 18.7451



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.1509, 15.8034, 44.9000



23.0116, 22.2516, 79.4633



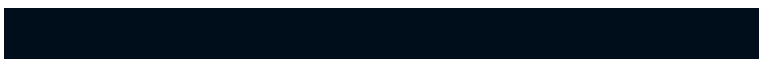
10.1719, 5.8453, 43.2403



8.3967, 8.9396, 10.7893



8.6089, 8.0182, 31.2309



0.3289, 0.3682, 1.0020

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22.4922, 12.5273, 17.1525



37.6657, 19.3382, 23.2622



34.2534, 40.2114, 8.2428



8.6754, 8.5769, 9.7893



14.5800, 7.3496, 8.2144



0.4880, 0.2430, 0.4126

Previews

White Background



This preview shows how the XYZ color 15.1503, 15.8029, 44.8996 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 15.1503, 15.8029, 44.8996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

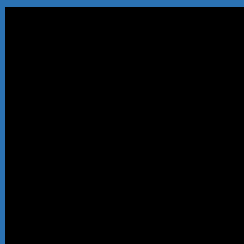
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.1503, 15.8029, 44.8996

Background



This preview shows how black text looks on a background with the XYZ color 15.1503, 15.8029, 44.8996.



This preview shows how white text looks on a background with the XYZ color 15.1503, 15.8029,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

15.1503, 15.8029, 44.8996

Protanopia

16.8403, 15.7596, 42.1987

Deuteranopia

16.2374, 15.8575, 45.3850



Tritanopia

11.1244, 15.5850, 24.2517

Trichromacy



Original Color

15.1503, 15.8029, 44.8996

Protanomaly

15.9382, 15.5885, 43.2432

Deuteranomaly

15.7773, 15.7832, 45.3949

Tritanomaly

12.2353, 15.4737, 30.7756

Monochromacy



Original Color

15.1503, 15.8029, 44.8996

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.2385, 13.3504, 22.7007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1503, 15.8029, 44.8996 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(43, 114, 179)` looks like.

```
.text, #text, p{  
    color:rgb(43, 114, 179)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(43, 114, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 114, 179) }
```

Border

The CSS property to change the border of an element to XYZ 15.1503, 15.8029, 44.8996 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(43, 114, 179) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(43, 114, 179) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(43, 114, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 114, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 114, 179);  
box-shadow:4px 4px 4px 4px rgb(43, 114,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1503, 15.8029, 44.8996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 114, 179) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(43, 114,  
179) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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